

What is claimed is;

1. A driving control device for an actuator comprising:  
a driving device having an electric motor to drive an actuator;

5 and

a driving control device to control a rotation of said electric motor  
by controlling the driving device,

10 wherein said driving control device includes an H bridge circuit  
having a switching semiconductor element, and controls said electric  
motor so as to rotate in normal and reverse directions by turning on  
and/or off said switching semiconductor element,

wherein said driving control device conducts to activate and/or to  
stop said electric motor by applying a PWM signal on the switching  
semiconductor element constructing a lower arm of said H bridge circuit.

15

2. The actuator driving control device according to Claim 1, wherein  
a regenerative braking is applied to said electric motor by applying said  
PWM signal to the switching semiconductor element constructing said  
lower arm.

20

3. The actuator driving control device according to Claim 1, wherein  
said driving control device is capable of selecting a mode for applying the  
PWM signal on the switching semiconductor element constructing said  
lower arm or a mode for applying a driving pulse.

25

4. The actuator driving control device according to Claim 1, wherein  
said driving control device comprises a function for switching to apply

the driving pulse when a radio is turned on and to apply the PWM signal when said radio is turned off.

5. The actuator driving control device according to Claim 1, wherein said driving control device switches the mode to the mode for applying the driving pulse when a targeted torque of the motor is not obtained even if the PWM signal is applied.